

Presentation to California Dischargers

What is CIWQS?

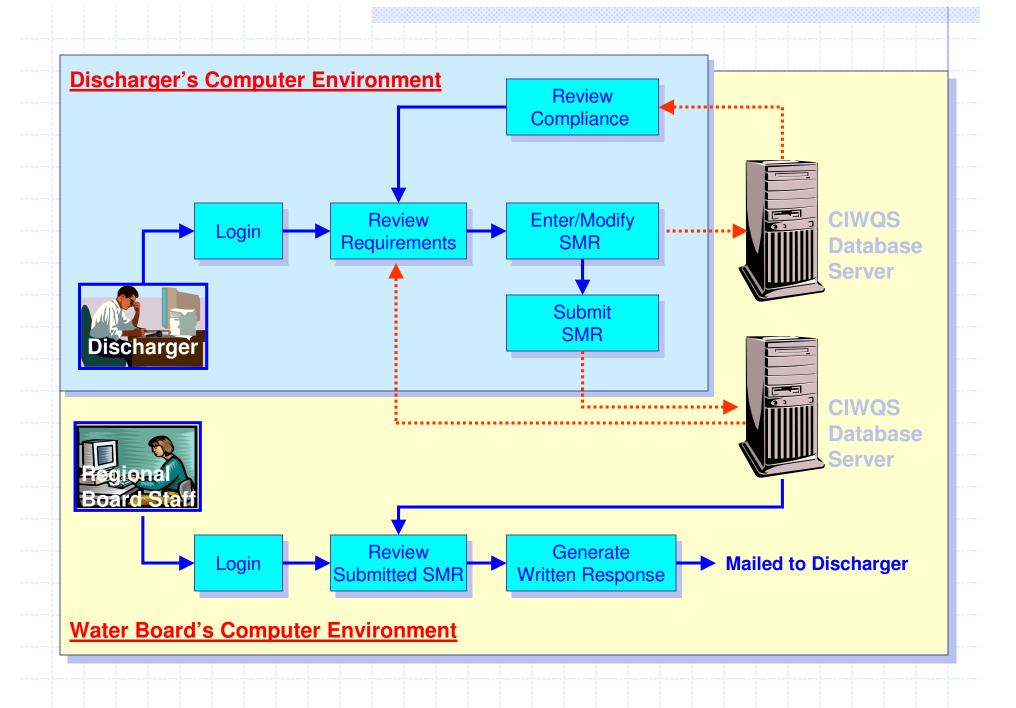
The California Integrated Water Quality System (CIWQS) is a new computer system for the State and Regional Water Boards to track information about places of environmental interest, manage permits and other orders, track compliance inspections, and manage violations and enforcement activities.

What is CIWQS?

- Web access to:
 - Locations (facilities) of interest
 - Associated people and organizations
 - Orders (e.g., permits), including requirements and limits
 - Inspection scheduling and results tracking
 - Violation management
 - Enforcement Action development and tracking
 - Penalties and invoices
- Allows Dischargers to electronically submit self monitoring reports
- Share data with the State financial system (AFBS) and USEPA IDEF/PCS
- Desktop-based and Web-Based GIS module
- Integrates functionality of existing SWRCB systems and adds new functionality
- Dischargers will initially have access to only eSMR module

CIWQS Help Center

- SWRCB has created the CIWQS Help Center
 - Web Site
 - Phone Support
 - Outreach Materials and Training
- http://www.swrcb.ca.gov/ciwqs/
- ciwqshelp@waterboards.ca.gov
- ◆1-866-79-CIWQS (M-F, 8-5)
- Help Center is also Processing DMR's



Benefits of CIWQS

- Reduced Error Rates
- Reduced Processing Time
- Potential Cost Savings
- Potential Positive Environmental Impact
- Future Integration with Permit Development
- Access to Historical Data and Data Compilation

What is eSMR?

- Electronically submit self monitoring reports (SMR)
- Based on permit requirements loaded into CIWQS
- Provides an "error check" to predetermine potential non-compliance
- Includes security: only authorized users can view/enter data

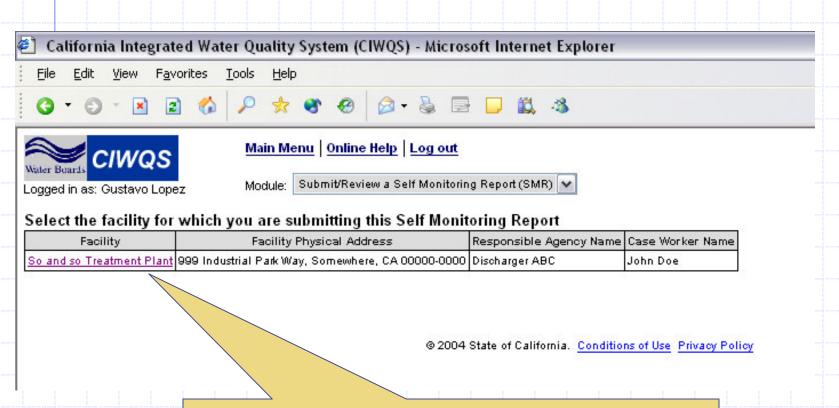
Registration

- Responsible Officials will be able to register their facility
 - Authorization for electronic signature required
 - Can certify and submit SMRs
- Other users (engineers, labs, administrative staff) can self register
 - Approval by responsible official required before access is granted
 - Cannot certify and submit SMRs

The Report Builder - Login

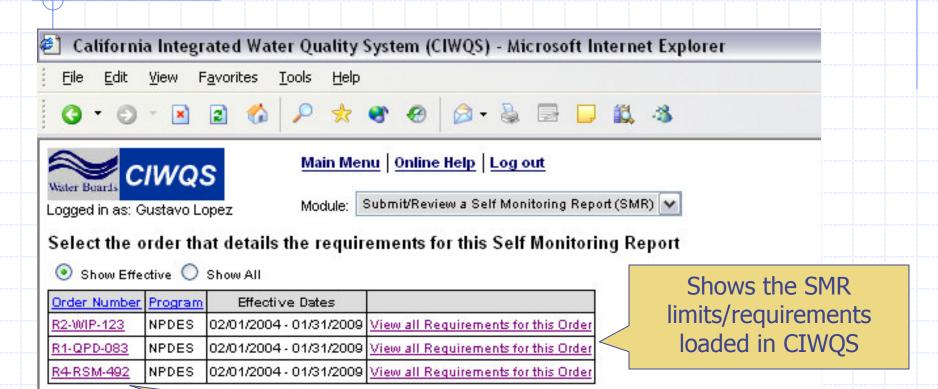


The Report Builder - Facility Selection



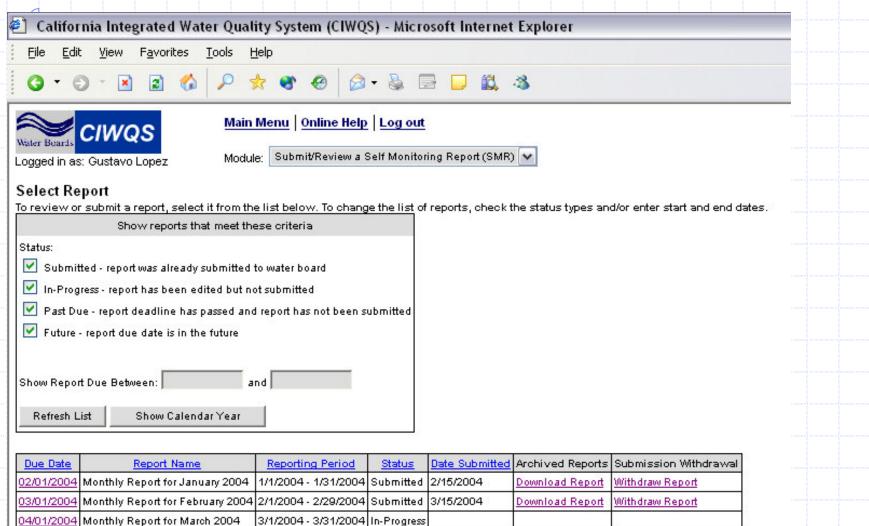
If you're authorized to access SMRs for multiple facilities, they will be listed here

The Report Builder – Order Selection



All permits, enforcement actions, and order that require SMR submissions will be listed (default is currently effective)

The Report Builder – Report Selection

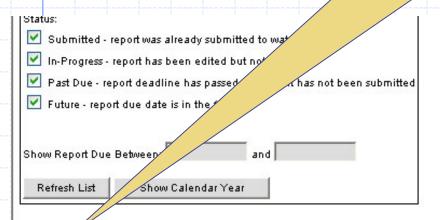


The Report Builder – Report Selection

Show reports that meet these criteria
Status:
Submitted - report was already submitted to water board
☑ In-Progress - report has been edited but not submitted
Past Due - report deadline has passed and report has not been submitted
Future - report due date is in the future
Show Report Due Between: and
Refresh List Show Calendar Year

The Report Builder – Report Selection

Select the report to complete



Submitted reports can be downloaded in read-only format

Due Date	Report Name	Reporting Period	<u>Status</u>	Date Submitted	Archive Reports	Submission Withdrawal
02/01/2004	Monthly Report for January 2004	1/1/2004 - 1/31/2004	Submitted	2/15/2004	Download Report	Withdraw Report
03/01/2004	Monthly Report for February 2004	2/1/2004 - 2/29/2004	Submitted	3/15/2004	Download Report	Withdraw Report
04/01/2004	Monthly Report for March 2004	3/1/2004 - 3/31/2004	In-Progress			

Reports can only be withdrawn by authorized Water Board staff – This cancels the submission

Report Builder - Tabs

View Requirements No Discharge Narrative Pre-Calculated EDF Raw Data Data Summary File Attachments Error Check Cover Letter View Requirements Report of requirements to be reported on in this SMR No Discharge Report locations without discharge during reporting period Narrative Report compliance for narrative requirements Pre-Calculated, EDF, Raw Data, Data Summary Report compliance for limit/monitoring requirements File Attachments Attach supporting information to submission Error Check Check for potential errors and non-compliance in submission Cover Letter Prepare submission cover letter, certify/sign, and submit

Report Builder – No Discharge

For each disch Save Sele	CONTRACTOR DESCRIPTION OF THE PERSON OF THE	scharge during this period, click the checkbox.	
No Discharge?	Discharge Point Name	Discharge Point Description	Comments
	Discharge 001	Location representative of effluent from discharge 001.	^ V
	Discharge 002	Location representative of influent to the plant.	<u>^</u>
	Discharge 003	In the recieving water at a point 300 feet downstream from discharge 001.	A

All discharge points defined for this facility are listed. Check the box next to the ones that had no discharge during the reporting period.

Report Builder – Narrative

Answer each of the questions below	y for each monitoring location. Ple	ase provide a comment to explain your answer.
Save Monitoring Location: MO	N001 💌	
Requirement	In compliance?	Comments
No foul odors emitted.	~	
No toxic substances in water.	•	
No foreign materials floating on surfa	ace.	

Narrative requirements for this reporting period are listed. Report each one as "in compliance," "out of compliance," or "N/A." Comments are available to explain "out of compliance" and "N/A" situations.

Two Types of Numeric Requirements

- In most cases, CIWQS can determine compliance based on sample data.
- In some cases, the limit is not a fixed number (e.g., dependant on pH, temperature, or an external factor) and the limit must be reported, as well as the result.
- In some cases, CIWQS cannot compute the "summary" value based on raw data.

"Pre-Calculated" must be used for the later two.

Report Builder – Pre-Calculated

Enter calculated values for each of the line items listed under each monitoring location.							
Save Monitoring Location: MON001							
Parameter	Bound	Li mit	Units	Result	Units	Comments	Requirement Text
COPPER, DISSOLVED	<=		mg/l		mg/l	A V	

hy limit that requires pre-cal

ation will be listed here.

If the limit is fixed, it will be displayed here. Otherwise, enter the applicable limit for this period and the selected monitoring location. The "requirement text" will show the complete text of the requirement.

Enter the result and, if necessary, any comments.

The Electronic Deliverable Format

- Developed by Arsenault Legg, inc.
 - http://www.arsenaultlegg.com/
- Originally for the Corps of Engineers
- Used by SWRCB for GeoTracker (UST)
- ASCII-based format, compressed with ZIP
- Free tools are available from Arsenault Legg to import from certain other formats and validate data
- Requires the use of pre-defined "code" values
- Some LIMS include EDF export capability (check with your vendor)

Report Builder – EDF

- Sample data can be uploaded in EDF.
- Multiple EDF files may be uploaded for each SMR submission.
- If you want, you can authorize your lab to upload EDF files on your behalf. You will still be able to review the data before certification and submission.
- Data can also be entered via web "Raw Data" screen

Report Builder – Raw Data

View Requirements No Discharge Narrative Pre-Calculated EDF Raw Data Data Summary File Attachments Error Check Cover Letter Water Board Notes Enter measured sample values for each of the line items listed under each monitoring location. Select a sampling event date/time: 2/1/2004 at 08:00:00 ✓ or Create New Monitoring Location: M1 ✓ Parameter Minimum ampling Frequen Sample Sample Result Voits Analytical Method Detection Limit Detect? Non- Detect? Minimum Detect? Sample Analysis Time (Optional) Time (Optional) Save Copper Daily 4b Soil Mg/L 3b Medium detection Non- Detect? Medium (Optional) Medium (Optional)
Enter measured sample values for each of the line items listed under each monitoring location. Select a sampling event date/time: 2/1/2004 at 08:00:00 v or Create New Monitoring Location: M1 v Parameter Minimum Sample Sample Sample Result Voits Analytical Method Detection Non- Detect? Level Date Time (Optional) Save
Select a sampling event date/time: 2/1/2004 at 08:00:00 or Create New Monitoring Location: M1 v Parameter Minimum Sympling Sample Sample Result toits Analytical Method Detection Non- Detect? Level (Optional) Save
Monitoring Location: M1 Parameter Minimum Simpling Sample Type Medium Result Oits Analytical Method Detection Limit (Optional) Save
Parameter Minimum Sampling Sample Sample Result oits Analytical Method Detection Non- Level Date Time (Optional) Save
Frequent Type Medium Method Limit Detect? Level Date Time (Optional) Save
(Optional) (Optional) (Optional) Save
Copper Daily Soil mg/l
Copper Daily Soil mg/L 35
Lead Daily Fish Tissue mg/L 35465
Zinc Daily G Vater mg/L 35465 Vater delete duplicate

indicate a sampling event (date and time)

Choose the monitoring location

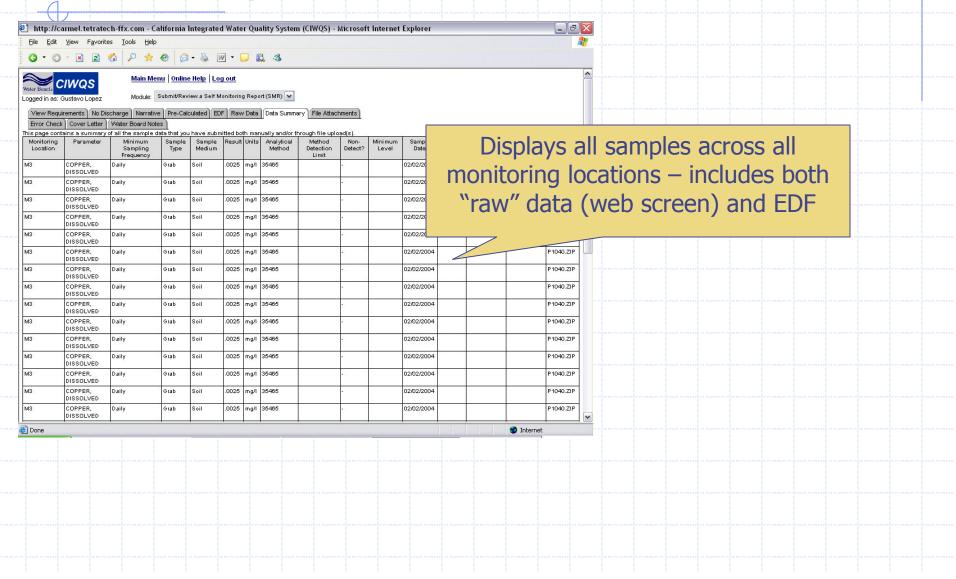
A list of all parameters that may be reported (based on order) are automatically listed

Enter results

Submitting Sample Data to eSMR

- Export from an EDF-compliant LIMS
- Use eSMR Raw Data Page (web)
- ◆Use COELT Data Entry (PC)
- Map Existing Data to COELT format

Report Builder – Sample Data Summary



Report Builder – File Attachments

Note: the upload process may take a few minutes depending on the speed of your internet connection and the size of the file. Do not attempt to click the "Refresh" or "Submit" buttons during the upload process.

File Browse... Upload File

File Name	Date/Time Uploaded	
SupplementalEvidence.doc	3/01/2004 - 14:24:56	<u>delete</u>
AdditionalSampleData.csv	3/23/2004 - 08:56:30	delete

Supporting electronic documents (e.g., word processing, spreadsheets, diagrams and pictures) can be attached

Report Builder – Error Check

Disclaimer Text: This error check locates common submission errors.

Although the results of this error check, including your comments will be made available to your local and state Water Board, no violations will be cited until the Water Board has reviewed your submission.

Below are the results of your last error check for this report.

If you have made changes to the report since your last error check,
you will need to run the error check before sumitting your report to the Water Boards

Ш	Save	Check Report F	or Errors			
	Туре	Monitoring Location	Parameter	Requirement	Results	Comment on action(s)taken or planned to remedy this instance of non-compliance.
$\ $	Numeric	мз	COPPER, DISSOLVED	copper dissolved <=0.002 mg/l	.0025	A)
$\ $					8	<u>v</u>

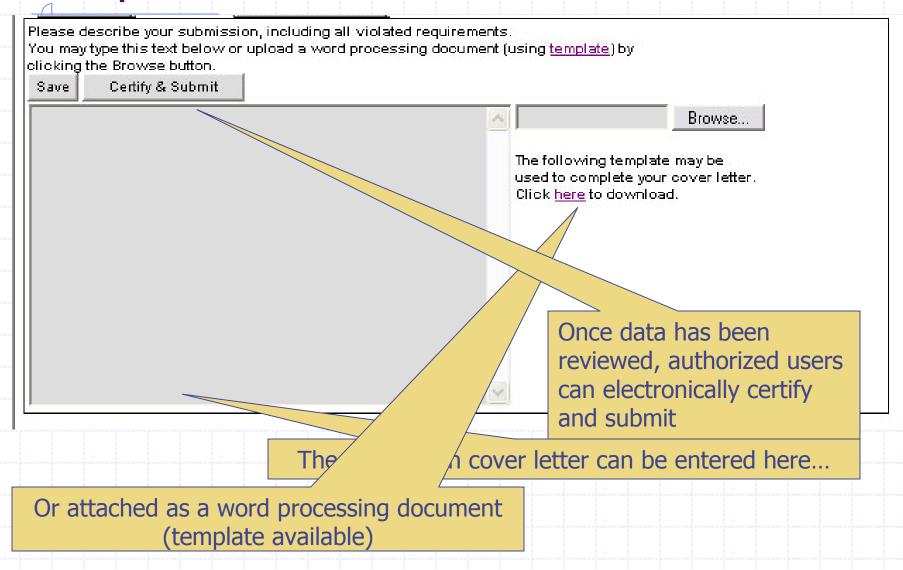
Locates missing required data, potential errors, and non-compliance

No data is made available to the Water Board until certification

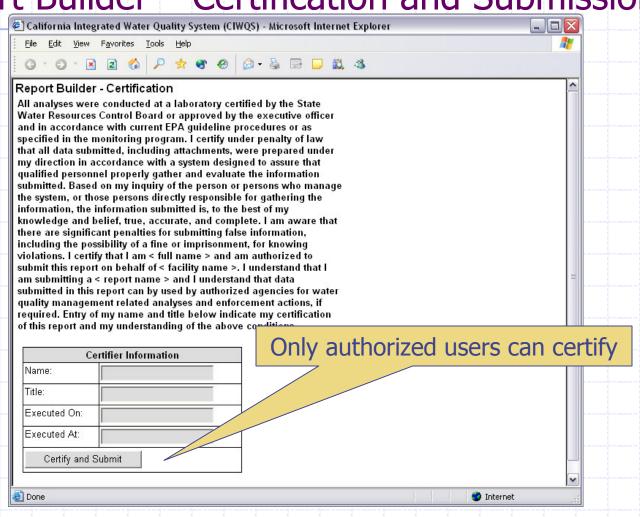
CIWQS does not automatically generate enforcement actions

Water Board review is required

Report Builder – Cover Letter



Report Builder - Certification and Submission



Report Builder – Certification and Submission

- Before a report is certified and submitted, the data is not available to Water Board staff
- Pre-submitted data is flagged and system security prevents access to non-submitted data, except to the discharger's authorized users
- Once certified and submitted, the data is made available to authorized Water Board staff
- Compliance checks (the same ones used in the error check) will flag compliance issues for Water Board review and further processing